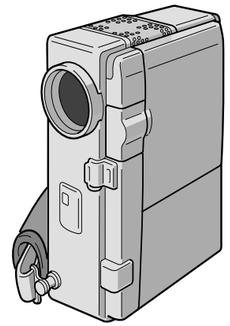
JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVM50UM



Mini DV NTSC

(AUDINAC KIT)

Regarding service information other than these sections, refer to the GR-DVM50U service manual (No. 86480).
Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVM50UM)*

Camcorder

General

Power supply	: DC 6.3 V ⎓ (Using the AC Power Adapter/Charger) DC 7.2 V ⎓ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.5 W
LCD monitor on, viewfinder off	: Approx. 5.4 W
Format	: DV Format (SD mode)
Signal format	: NTSC Standard
Video signal recording format	: Digital Component Recording
Cassette	: Mini DV Cassette
Tape Speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time	: SP: 60 min. LP: 90 min. (using M-DV60ME cassette)
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.6 to 36 mm, 10:1 Power Zoom Lens
Filter diameter	: ø27 mm
LCD monitor	: 2.5" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.55" color LCD
Speaker	: Monaural
Operating temperature	: 0°C to 40°C (32°F to 104°F)
Operating humidity	: 35% to 80%
Storage temperature	: –20°C to 50°C (–4°F to 122°F)
Dimensions	: 48 (W) x 119 (H) x 89 (D) mm (1-15/16" x 4-11/16" x 3-9/16") (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 420 g (0.93 lbs) (without grip strap, cassette and battery) Approx. 505 g (1.2 lbs) (incl. grip strap, cassette and battery)

Connectors

Video output	: 1 Vp-p, 75 Ω unbalanced, analog output (via AV OUT connector)
Audio output	: –8 dBs, 1 kΩ analog output, stereo (via AV OUT connector)
Headphone output	: ø3.5 mm, stereo (via AV OUT connector)
DV input/output	: 4-pin, IEEE1394 compliant

AC Power Adapter/Charger AA-V50EN

Power requirement	: AC 110 V to 240 V~, 50/60 Hz
Power consumption	: 20 W
Output	
Charge	: DC 7.2 V ⎓, 0.63 A
VTR	: DC 6.3 V ⎓, 1.8 A
Dimensions	: 122 (W) x 39 (H) x 92 (D) mm (4-13/16" x 1-9/16" x 3-5/8")
Weight	: Approx. 320 g (0.71 lbs)

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

Docking Station

General

Dimensions	: 115 mm (W) x 31 mm (H) x 55 mm (D) (4-9/16" x 1-1/4" x 2-3/16")
Weight	: Approx. 90 g (0.2 lbs)

Connectors

S-Video	: Y: 1Vp-p, 75 Ω, analog output C: 0.29 Vp-p, 75 Ω, analog output
Video	: 1Vp-p, 75 Ω, analog output
Audio	: –8 dBs, 1 kΩ, analog output
JLIP	: ø3.5 mm, 4-pole, mini-head jack (compatible with RC-5325 plug)
Editing	: ø3.5 mm diameter, 2-pole
PC	: ø2.5 mm, 3-pole
External microphone input	: –68 dBs, high impedance unbalanced with ø3.5 mm (stereo)

E & O.E. Design and specifications subject to change without notice.

JVC
VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

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The following table indicate main different points between models GR-DVM50U and GR-DVM50UM.

ITEM \ MODEL	GR-DVM50U	GR-DVM50UM
AC POWER ADAPTER CHARGER	AA-V50U	AA-V50EN
S CABLE,S-VIDEO CABLE	Optional	Provided
A/V RCA CABLE	Optional	Provided

The following table indicate different parts number between models GR-DVM50U and GR-DVM50UM.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTION),refer to sec.5.

REF. No.	ITEM \ MODEL	GR-DVM50U	GR-DVM50UM
1	PACKING CASE	LY31257-001B	–
8	CD ROM ASSY	* LY31133-005B	LY31133-005D
25	WARRANTY INF.	BT-51005-3	–
31	REGIST.CARD	BT-51020-1	–
32	MINI DV TAPE	Not used	Used
33	A/V RCA CABLE	–	YQ31953A
34	CORE FILTER	–	QQR0919-002
35	S CABLE, S-VIDEO CABLE	–	QAM0004-004
36	CORE FILTER	–	QQR0918-002

Note: Mark – is not used. Mark * reference model was also changed.

FINAL ASSEMBLY <M2> Refer to sec.5.

MAIN BOARD ASSEMBLY <01>

REF. No.	ITEM \ MODEL	GR-DVM50U	GR-DVM50UM
PW	MAIN BOARD ASSY	* YB10245F	YB10258B-02
IC3004	IC	* TK11216BMC	TK11218BMC
Q2703,Q2704	TRANSISTOR	* 2SC4617/QR/-X	2SC5585
Q2761	TRANSISTOR	* –	DTC144EE
Q2762 to Q2764	TRANSISTOR	* –	DTA124EE
Q2765	TRANSISTOR	* –	DTC144EE
R1034	MG RESISTOR	* NASA6AJ-0R0W	–
R2112,R2113 R2408,R2409 R2420,R2426	MG RESISTOR	* NASA6AJ-0R0W	–
R2706	MG RESISTOR	* NRSA6AJ-104W	NRSA6AJ-153W
R3048	MG RESISTOR	* –	NRSA6AJ-0R0W
R3221	MG RESISTOR	* NRSA6AJ-101W	NASA6AJ-820W
R3223	CMF RESISTOR	* NRVA6AD-242W	NRVA6AD-222W
R3301	MG RESISTOR	* NASA6AJ-391W	–
R6101	CMF RESISTOR	* NRVA6AD-822W	NRVA6AD-133W
R6152,R6154	MG RESISTOR	* –	NRSA6AJ-0R0W
R7623	MG RESISTOR	* –	NRSA6AJ-0R0W
C1006	CAPACITOR	* NDCA1HJ-150W	NDCA1HJ-180W
C1013	CAPACITOR	* NDCA1HJ-100W	NDCA1HJ-130W
C2212	T CAPACITOR	* NBE41AM-106X	NBE90JM-106X
C2766	T CAPACITOR	* –	NBE90JM-106X
C3015	T CAPACITOR	* –	NBG40GM-226X
C3049	CAPACITOR	* NCFA1AZ-104W	NCB31CK-104X
C3051	MG RESISTOR	* NRSA6AJ-331W	–
C4338	CAPACITOR	* NCBA1HK-102W	–
C6105	CAPACITOR	* –	NCB21AK-225X
C6128	CAPACITOR	* NDCA1HJ-6R0W	–
L1005	COIL	* NQL184J-390X	NQL024J-330X
L3001	FERRITE BEAD	* –	NQR0305-001X
L3103	CHOKE COIL	* –	NQR0276-001X
X1002	CRYSTAL RESONATOR	* NAX0267-001X	NAX0325-001X

SUB BOARD ASSEMBLY

REF. No.	ITEM \ MODEL	GR-DVM50U	GR-DVM50UM
PW	SUB BOARD ASSY	* YB20858A	–

Note: Mark – is not used. Mark * reference model was also changed.

MDA BOARD ASSEMBLY <02>

REF. No.	ITEM / MODEL	GR-DVM50U	GR-DVM50UM
PW1	MDA BOARD ASSY	* YB10246B1	YB10246B1-03
IC4807	IC	* TC7W66FK	–
Q4802	TRANSISTOR	* 2SC4617/RS/-X	–
Q4803	TRANSISTOR	* DTC144EE	–
Q4804	TRANSISTOR	* DTA144EE	–
R4827	MG RESISTOR	* –	NRSA6AJ-0R0W
R4829	MG RESISTOR	* NRSA6AJ-0R0W	–
R4831	MG RESISTOR	* NRSA6AJ-472W	–
R4832	MG RESISTOR	* NRSA6AJ-103W	–
R4837 R4839,R4840 R4846	MG RESISTOR	* NRSA6AJ-0R0W	–
R4849	MG RESISTOR	* –	NRSA6AJ-0R0W
C4864	T CAPACITOR	* NBE90JM-106X	–
C4865	CAPACITOR	* NCFA1AZ-104W	–
L4853	COIL	* NQL302N-100X	–

MONITOR BOARD ASSEMBLY <04>

REF. No.	ITEM / MODEL	GR-DVM50U	GR-DVM50UM
PW	MONITOR BOARD ASSY	* YB10250B	YB10250B-01

W/B BOARD ASSEMBLY <08>

REF. No.	ITEM / MODEL	GR-DVM50U	GR-DVM50UM
PW2	W/B BOARD ASSY	* YB10248A2-03	YB10248A2-04
WR1	E-SI C WIRE C-F	* WJM0077-001A	WJM0077-001B

JACK BOARD ASSEMBLY <09>

REF. No.	ITEM / MODEL	GR-DVM50U	GR-DVM50UM
PW1	JACK BOARD ASSY	* YB10248C1	YB10248C1-01

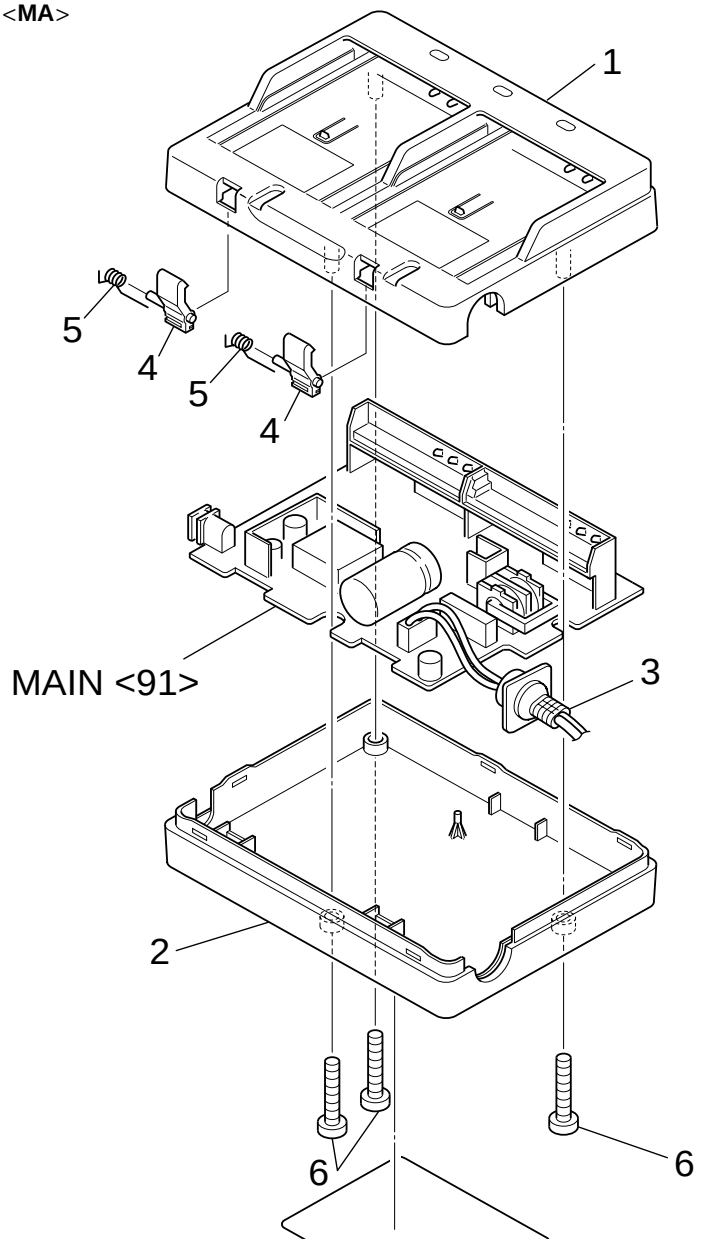
Note: Mark – is not used. Mark * reference model was also changed.

SECTION 6
AC POWER ADAPTER CHARGER (AA-V50EN)

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

6.1 CABINET ASSEMBLY <MA>



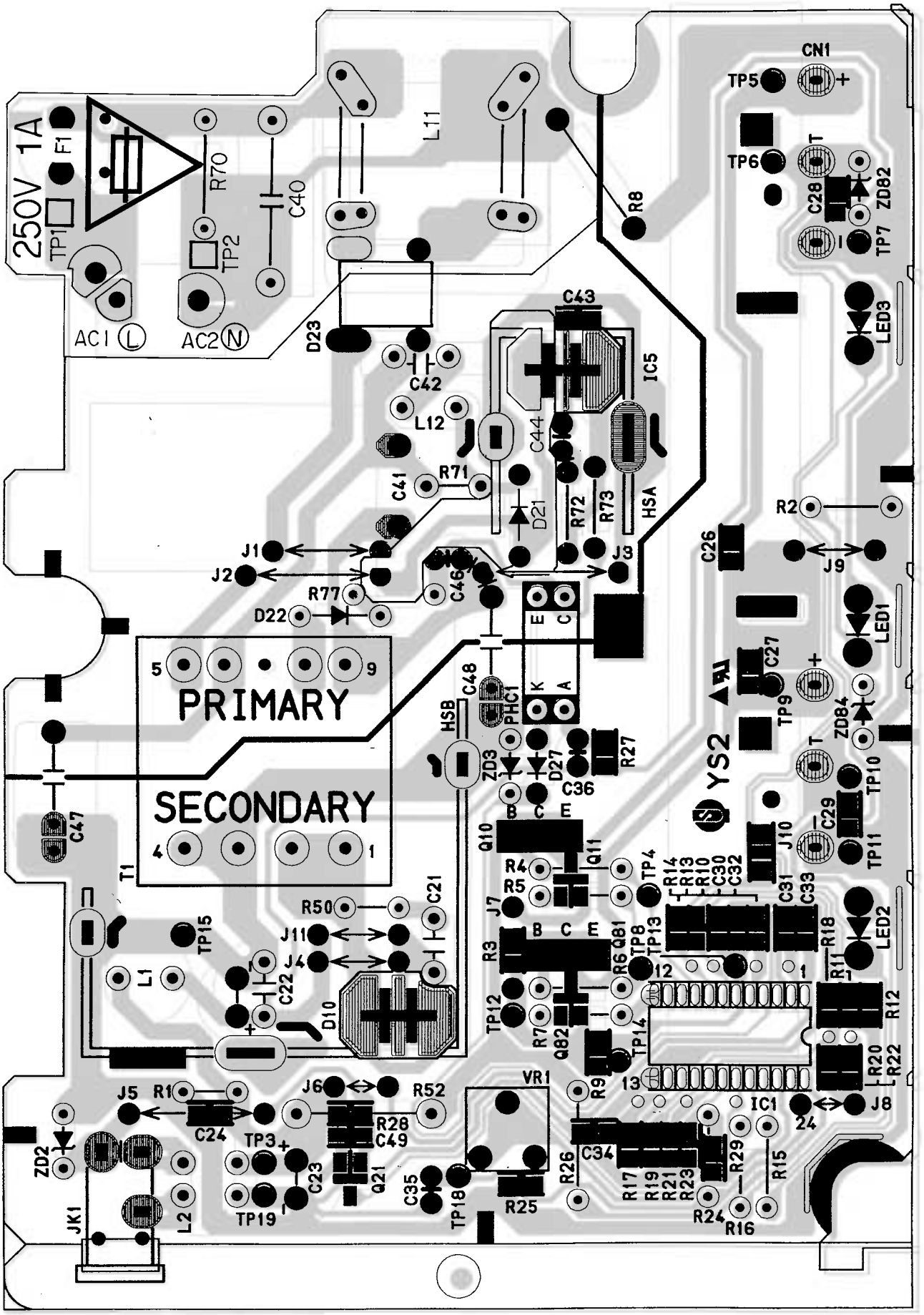
#⚠REF No.	PART No.	PART NAME, DESCRIPTION

****

CABINET ASSEMBLY <MA>

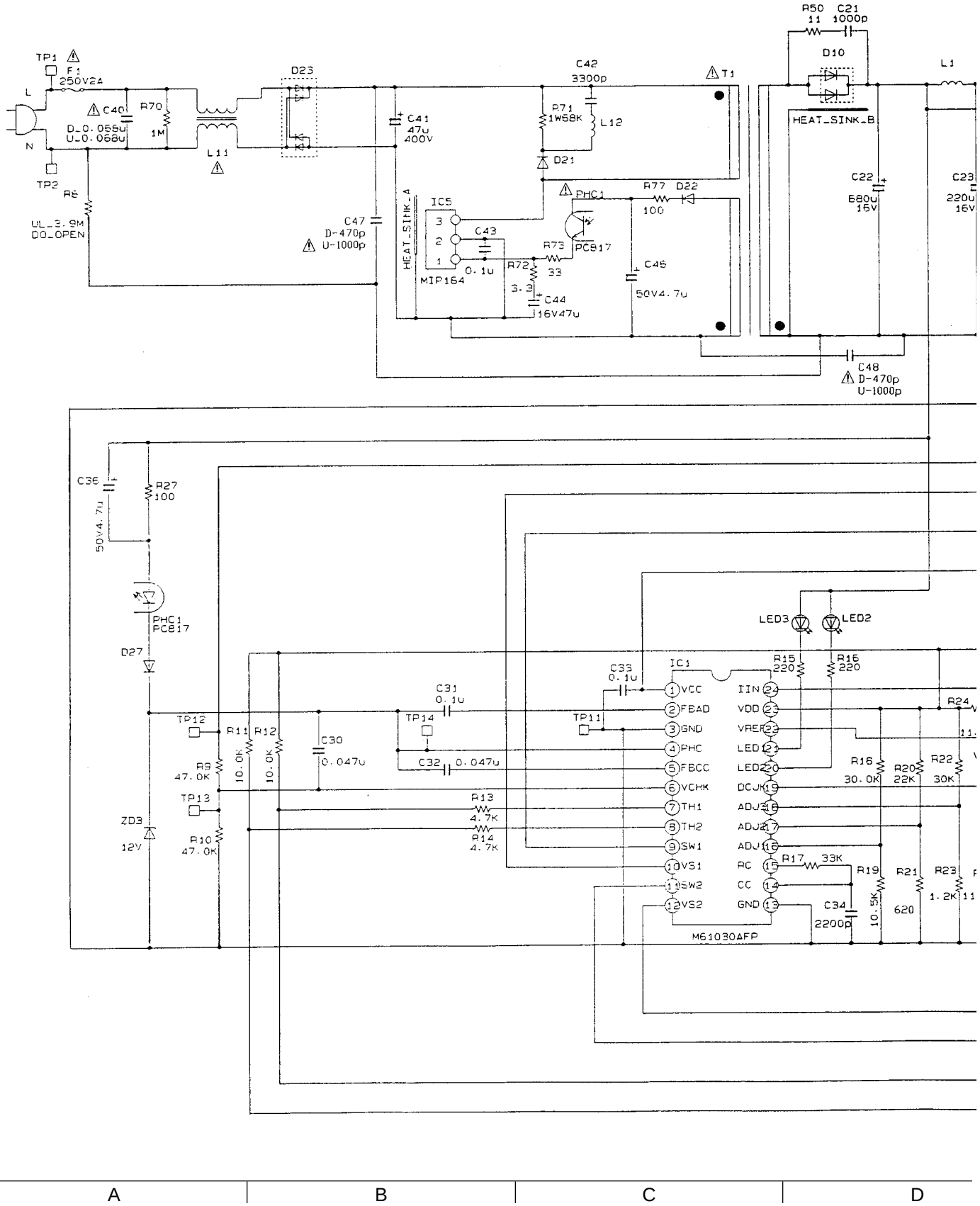
	1	PTY20450-012	UPPER CASE ASSY
	2	PTY20450-017	LOWER CASE ASSY
⚠	3	PTY20483-035	AC POWER CORD
	4	PTY20450-050	LOCK LEVER,X2
	5	PTY20450-051	LOCK SPRING,X2
	6	PTY20292-165	SCREW,X3

6.2 CIRCUIT BOARD

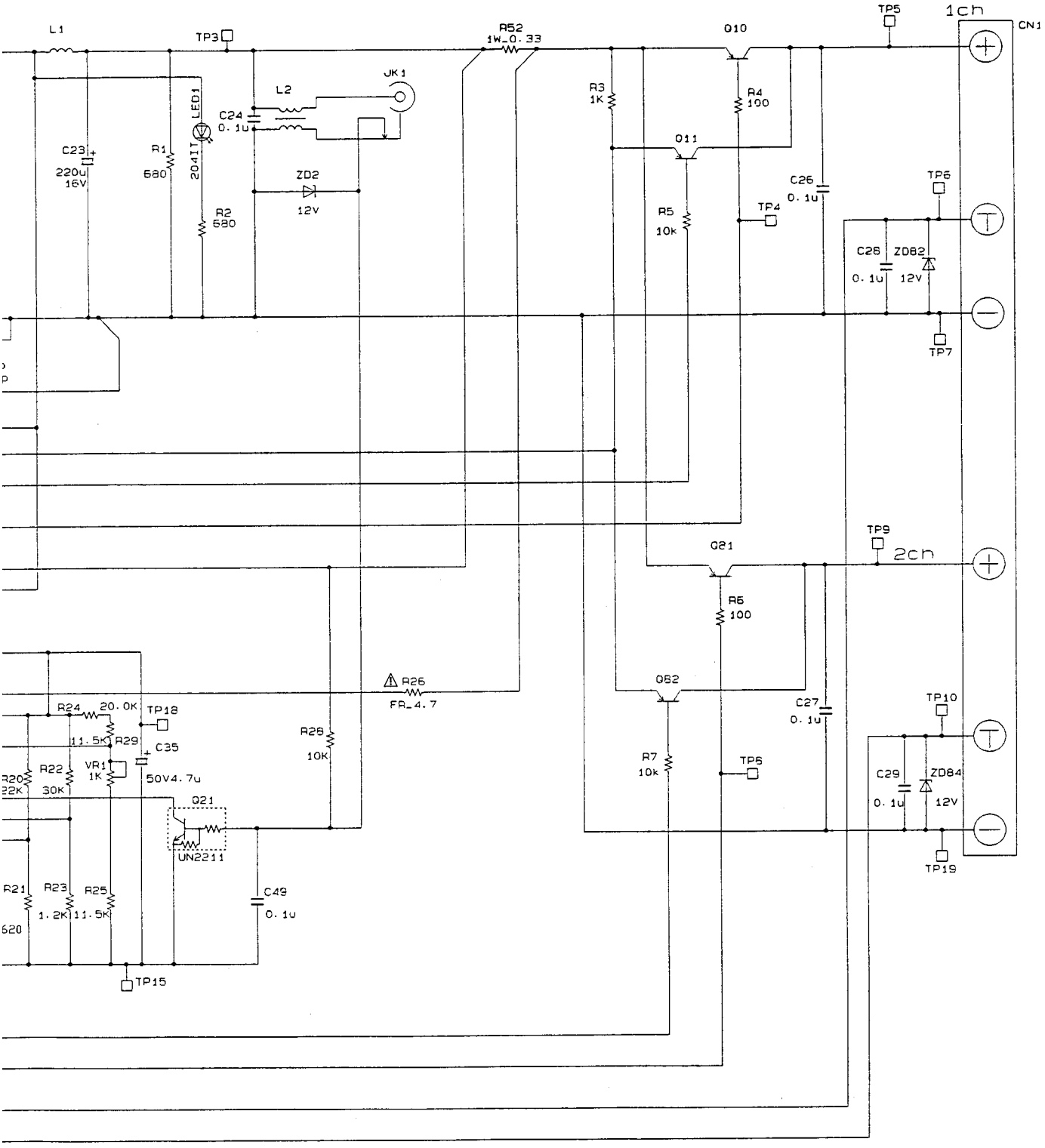


6.3 SCHEMATIC DIAGRAM

NOTE: *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



Safety precautions
The components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.



6.4 ELECTRICAL PARTS LIST

#⚠REF No.	PART No.	PART NAME, DESCRIPTION	
**********			
		MAIN & TERMINAL BOARD ASSY <91>	
⚠ PW1	PTY20450-003	MAIN BOARD ASSY	
IC1	M61030AFP	IC	
IC5	MIP1640002DN	IC	
Q10	2SB1240TV2	TRANSISTOR	
Q11	2SA812MT1B	TRANSISTOR	
Q21	UN2211TX	DIG.TRA.	
Q81	2SB1240TV2	TRANSISTOR	
Q82	2SA812MT1B	TRANSISTOR	
Q82	2SA1037AKT146	TRANSISTOR	
D10	F10P10Q	S.B DIODE	100V 10A
D21	AU02A	DIODE	600V 0.8A
D22	AU02A	DIODE	600V 0.8A
D23	DI106	B. DIODE	600V 1A
D27	1SS133	DIODE	80V 130mA
ZD2	BZX55C12	DIODE	
ZD3	BZX55C12	DIODE	
ZD82	BZX55C12	DIODE	
ZD84	BZX55C12	DIODE	
LED1	YQ10531-540	LED RED POWER	
LED2	YQ10531-542	LED GREEN CHARGE/FINISH	
LED3	YQ10531-542	LED GREEN CHARGE/FINISH	
R1	QRZ0125-681	RESISTOR	680Ω 1/4W
R2	QRZ0125-681	RESISTOR	680Ω 1/4W
R3	PTY20290-202	RESISTER	1kΩ 1/10W
R4	QRZ0125-101	RESISTOR	100Ω 1/4W
R5	QRZ0125-103	RESISTOR	100Ω 1/4W
R6	QRZ0125-101	RESISTOR	100Ω 1/4W
R7	QRZ0125-103	RESISTOR	100Ω 1/4W
R9	PTY20290-212	RESISTOR	47.0kΩ 1/10W
R10	PTY20290-212	RESISTOR	47.0kΩ 1/10W
R11	PTY20292-227	RESISTOR	10.0kΩ 1/10W
R12	PTY20292-227	RESISTOR	10.0kΩ 1/10W
R13	PTY20292-225	RESISTOR	4.7kΩ 1/10W
R14	PTY20292-225	RESISTOR	4.7kΩ 1/10W
R15	QRZ0125-221	RESISTOR	220Ω 1/4W
R16	QRZ0125-221	RESISTOR	220Ω 1/4W
R17	PTY20290-211	RESISTOR	33kΩ 1/10W
R18	PTY20292-279	RESISTOR	30.0kΩ 1/10W
R19	PTY20450-203	RESISTOR	10.5kΩ 1/10W
R20	PTY20290-209	RESISTOR	22kΩ 1/10W
R21	PTY20292-253	RESISTOR	620Ω 1/10W
R22	PTY20290-210	RESISTOR	30kΩ 1/10W
R23	PTY20290-203	RESISTOR	1.2kΩ 1/10W
R24	PTY20450-200	RESISTOR	20.0kΩ 1/4W
R25	PTY20290-207	RESISTOR	11.5kΩ 1/10W
⚠ R26	PTY20292-269	FUSE RESISTOR	4.7Ω
R27	PTY10067-606	RESISTOR	100Ω 1/10W
R28	PTY10067-604	RESISTOR	10kΩ 1/10W
R29	PTY20290-207	RESISTOR	11.5kΩ 1/10W
R50	PTY20450-201	RESISTOR	11Ω 1/4W
R52	PTY20292-266	RESISTOR	0.33Ω 1W
R70	QRN141J-105	RESISTOR	1MΩ 1/4W
R71	PTY20292-202	RESISTOR	68kΩ 1W
R72	QRZ0125-3R3	RESISTOR	3.3Ω 1/4W
R73	PTY20450-202	RESISTOR	33Ω 1/4W
R77	QRZ0125-101	RESISTOR	100Ω 1/4W
J10	PTY20450-204	RESISTOR	0Ω 1/8W
C21	YQ10626-408	CAPACITOR	1000pF 500V
C22	PTY20450-300	E CAPACITOR	470µF 16V
C23	QETL1CM-227	E CAPACITOR	220µF 16V
C24	PTY10067-511	CAPACITOR	0.1µF 25V
C26	PTY10067-511	CAPACITOR	0.1µF 25V
C27	PTY10067-511	CAPACITOR	0.1µF 25V
C28	PTY10067-511	CAPACITOR	0.1µF 25V
C29	PTY10067-511	CAPACITOR	0.1µF 25V
C30	PTY20290-302	CAPACITOR	0.0471µF 25V
C31	PTY20290-304	CAPACITOR	0.1µF 25V
C32	PTY20290-302	CAPACITOR	0.0471µF 25V
C33	PTY10067-511	CAPACITOR	0.1µF 25V
C34	PTY20450-301	CAPACITOR	0.0022µF 50V
C35	QEHA1HM-475	E CAPACITOR	4.7µF 50V
C36	QEHA1HM-475	E CAPACITOR	4.7µF 50V
⚠ C40	PTY20292-303	CAPACITOR	0.068µF 275V
C41	YQ10626-402	E CAPACITOR	47µF 400V
C42	YQ10626-403	CAPACITOR	3300pF 500V
C43	PTY10067-511	CAPACITOR	0.1µF 25V
C44	PTY20292-310	E CAPACITOR	47µF 16V
C46	QEHA1HM-475	E CAPACITOR	4.7µF 50V
⚠ C47	PTY20292-368	CAPACITOR	1000pF
⚠ C48	PTY20292-368	CAPACITOR	1000pF
C49	PTY10067-511	CAPACITOR	0.1µF 25V
L1	PTY20292-503	COIL	
L2	PTY20450-400	COIL	
⚠ L11	PTY20450-401	FILTER	
L12	PTY20292-501	INDUCTOR	
⚠ PHC1	PS25611M	PHOTO COUPLER	
⚠ T1	PTY20450-450	TRANS	
JK1	YQ21032-301	DC JACK	
VR1	PTY20450-451	VOLUME	
HS1	PTY20450-070	HEAT SINK A	
HS2	PTY20450-071	HEAT SINK B	
OT1	PTY20450-060	SCREW	
OT2	PTY20450-061	SCREW	
⚠ F1	PTY20450-041	FUSE	1A 250V

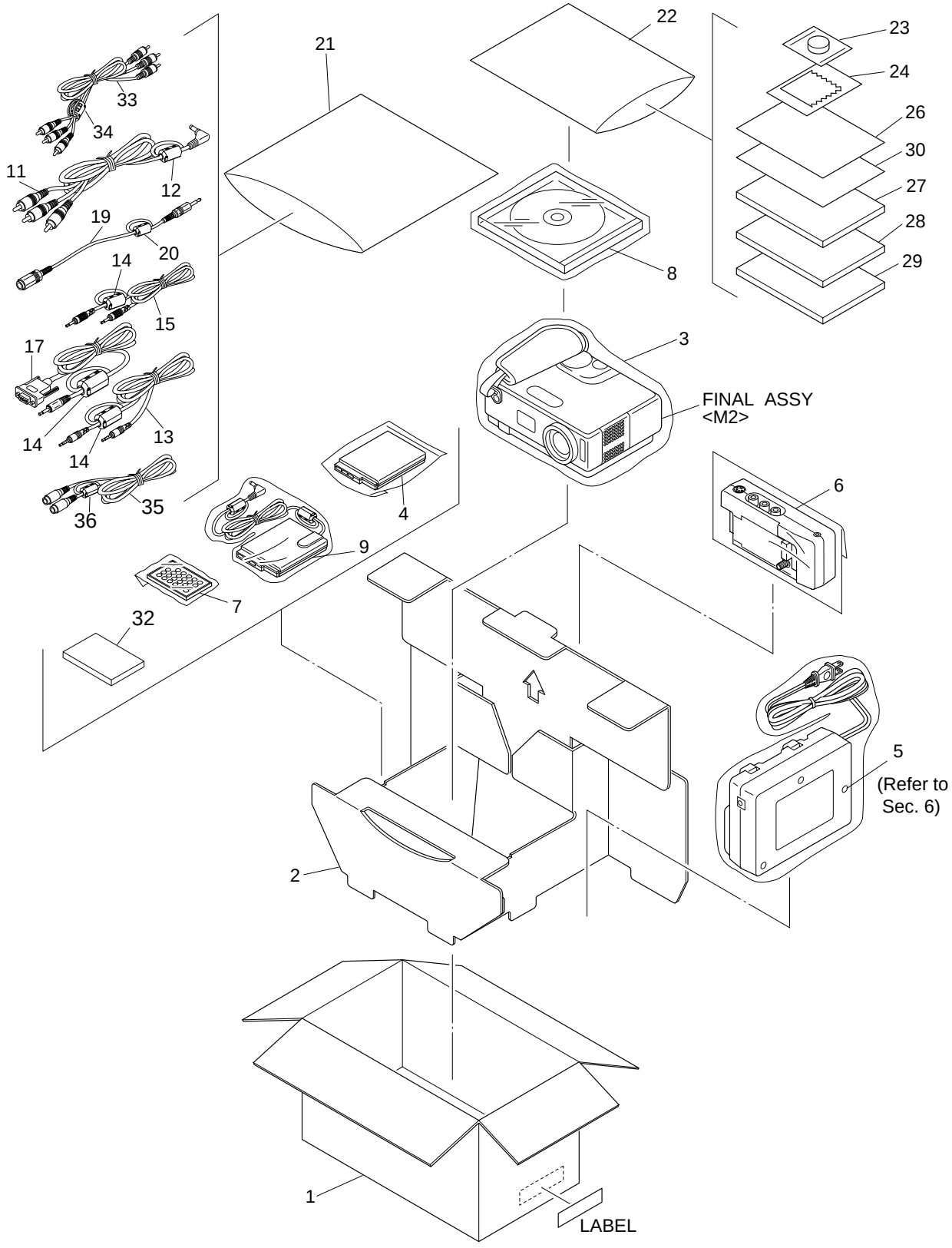
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

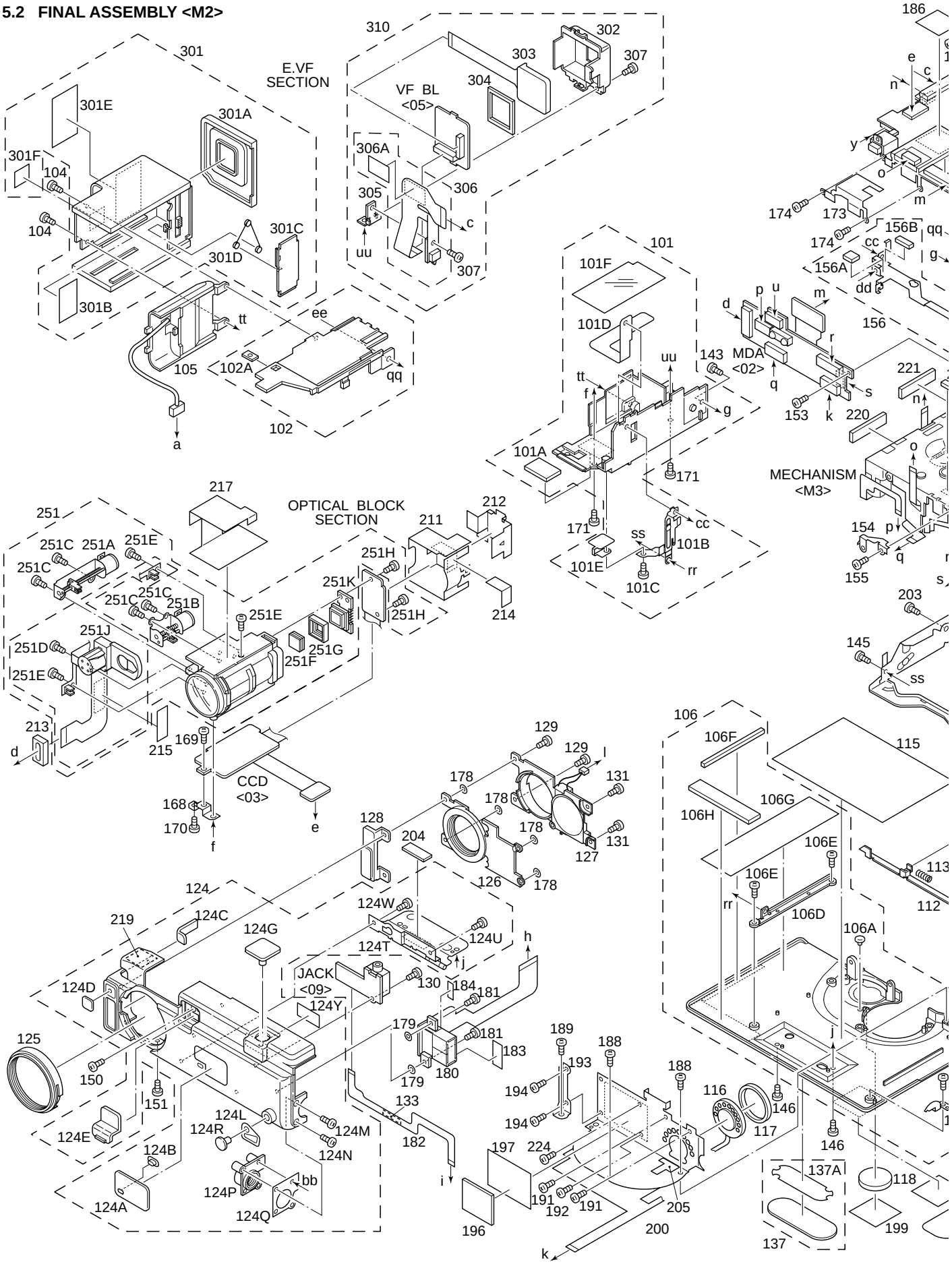
****

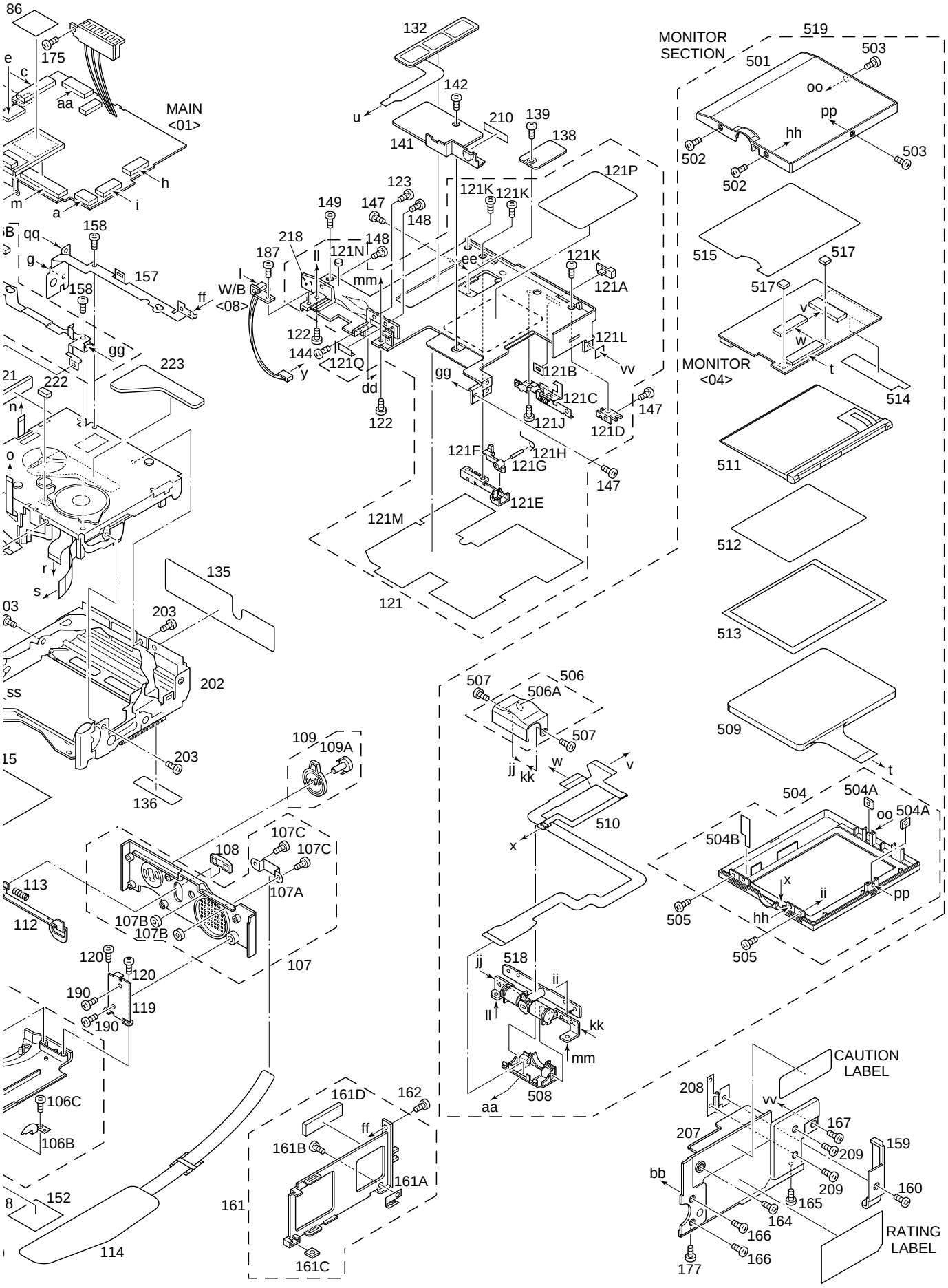
PACKING AND ACCESSORY ASSEMBLY <M1>

	1	–	PACKING CASE
	2	LY31259-001B	CUSHION
	3	LY30023-003A	POLY BAG
⚠	4	LY31174-002B	BATTERY PACK,BN-V507U
⚠	5	LY20450-010A	AC POWER ADAPTER CHARGER,AA-V50EN
	6	LY20451-002B	DOCKING STATION,CU-V501U
	7	YQ20922Z	REMOTE CONTROL UNIT,RM-V713U
	8	LY31133-005D	CD ROM
	9	LY31176-003A	DC CORD
	11	QAM0124-001	CABLE ASSY(AUDIO/VIDEO)
	12	QQR0918-002	CORE FILTER
	13	QAM0129-001	JLIP CABLE
	14	QQR0491-002	CORE FILTER,X3
	15	YQ31950C	REMOTE CABLE,EDITING
	17	QAM0084-001	PC CONNECTION CABLE
	19	QAM0068-001	AUDIO CABLE
	20	QQR0490-002	CORE FILTER
	21	QPGA017-03005	POLY BAG
	22	QPA02003006	POLY BAG
⚠	23	PECA0903	LI BATTERY
	24	YQ43558	CLEANING CLOTH
	26	LY41479-001A	CATALOG
⚠	27	LYT0627-001A	IB(SP)
⚠	28	LYT0378-001A	IB(SOFT.SETUP)
	29	LYT0378-007A	IB(SOFT.OPE.SP)
	30	LYT0378-003A	SHEET(AGREMENT)
	32	–	MINI DV TAPE,M-DV30MEBU
	33	YQ31953A	A/V RCA CABLE
	34	QQR0919-002	CORE FILTER
	35	QAM0004-004	S CABLE, S-VIDEO CABLE
	36	QQR0918-002	CORE FILTER

- INSTRUCTIONS
  SP ..... SPANISH

5.2 FINAL ASSEMBLY <M2>




MAIN
<01>
MONITOR
SECTION
MONITOR
<04>
W/B
<08>
CAUTION
LABEL
RATING
LABEL

FINAL ASSEMBLY <M2>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
101	LY20414-001L	LOWER COVER ASSY
101A	LY30016-0S4A	SPACER-A
101B	LY41297-001E	ARM ASSY
101C	LY30018-063A	SPECIAL SCREW
101D	LY41300-001A	SHEET(EARTH)
101E	LY41590-001B	SHEET(GND)
101F	LY41576-001C	SHEET(L)
102	LY31255-001C	UPPER COVER ASSY
102A	LY40162-001A	BKT
104	LY30018-037A	SPECIAL SCREW,X2
105	LY31093-001B	MIC UNIT
106	LY20444-002G	CASS.COVER ASSY
106A	LY41435-001A	INDICATOR(C.C)
106B	LY41407-001A	BKT(EJECT)
106C	QYSPSPT1715Z	SCREW
106D	LY41408-001C	BKT(CASS)
106E	LY30018-018A	SPECIAL SCREW,X2
106F	LY30016-0S3B	SPACER-A
106G	LY30016-0Q3B	SPACER-A
106H	LY30016-0U5A	SPACER-A
107	LY31098-002D	OPE.COVER ASSY
107A	LY41588-001A	HOOK(OPE)
107B	LY41553-001B	STUD,X2
107C	LY30018-085A	SPECIAL SCREW,X2
108	LY41452-001A	KNOB(EJECT)
109	LY41608-001A	BUTTON ASSY
109A	LY41499-001B	DIAL(A-M SELECT
112	LY41319-001B	PLATE(LOCK)
113	LY30002-030A	COMPRES. SPRING
114	LY31118-002A	GRIP BELT
115	LY41314-001B	SHEET(CC)
116	QAS0015-001	SPEAKER
117	LY40301-001A	SPACER(SPK)
⚠ 118	QAB0018-001	LI BATTERY
119	LY41356-001C	BRACKET
120	QYSPSPT1730Z	SCREW,X2
⚠ 121	LY20422-002J	UPPER CASE ASSY
121A	LY31102-001A	KNOB(LOCK)
121B	LY41397-001A	PLATE(KNOB)
121C	LY41324-001B	BATT.LOCK ASSY
121D	LY41328-001B	BKT(C.COVER)
121E	LY41411-001B	BKT(C.COVER)2
121F	LY41400-001E	CATCHER(MON.)
121G	LY41398-001A	SHAFT(CATCHER)
121H	LY41399-001A	TORSION SPRING
121J	LY30018-012A	SPECIAL SCREW
121K	LY30018-043B	SPECIAL SCREW,X3
121L	LY41604-001C	SHEET(UPPER)
121M	LY41603-001B	SHEET(UPPER B.S)
121N	LY41640-001A	SPACER(UPPER)
121P	LY41605-002A	LABEL(UPPER)
121Q	LY30016-0W5A	SPACER-A
122	LY30018-069A	SPECIAL SCREW,X2
123	LY30018-012A	SPECIAL SCREW
124	LY20424-002H	FRONT COVER ASSY
124A	LY41329-001A	IR WINDOW
124B	LY40695-001A	INDICATOR(TALLY)
124C	LY41331-001B	WINDOW(W.B)
124D	LY41495-002A	WINDOW(STB)
124E	LY41660-001B	COVER(DV)ASSY
124G	LY41731-002A	COVER(AV)ASSY
124L	LY41598-001B	HOOK(FRONT)
124M	QYSPSGT1740R	SCREW
124N	QYSPSPT1720R	SCREW
124P	LY31149-001C	BASE
124Q	LY41601-001A	PLATE
124R	LY41481-001B	SPECIAL SCREW
124T	LY41321-001A	HINGE ASSY
124U	LY30018-006B	SPECIAL SCREW
124W	LY30018-031A	SPECIAL SCREW
124Y	LY41511-001A	SPACER(JACK)
125	LY31105-002B	HOOD
126	LY31125-001B	COVER(FRONT)
127	LY31123-001F	L.SHUTTER ASSY
128	LY31254-001B	CAP(FRONT)
129	QYSPSPT1750Z	SCREW
130	LY30018-088A	SPECIAL SCREW
131	QYSPSPT1735Z	SCREW,X2
132	LY31104-002B	SUB OPE ASSY
133	LY41617-001A	SHEET(FRONT)
135	LY40698-002A	LABEL(HOUSING)
136	LY40699-002A	LABEL(PUSH)
137	LY41597-001A	COVER(CC)ASSY
137A	LY41560-001A	SHEET(COVER)
138	LY41393-001B	COVER(JIG CONN)
139	LY30018-070A	SPECIAL SCREW
141	LY31101-001C	COVER(UPPER)
142	LY30018-070A	SPECIAL SCREW
143	LY30018-018A	SPECIAL SCREW
144	LY30018-022A	SPECIAL SCREW
145	LY30018-077A	SPECIAL SCREW
146	LY30018-043B	SPECIAL SCREW,X2
147	LY30018-065A	SPECIAL SCREW,X3
148	QYSPSPT1750R	SCREW,X2
149	QYSPSPT1725R	SCREW
150	QYSPSPT1750R	SCREW
151	LY30018-070A	SPECIAL SCREW
152	LY41618-001A	SHEET(CASETTE)
153	LY30018-049A	SPECIAL SCREW
154	LY40709-001C	BRACKET(GRD)
155	YQ43893-4	MINI SCREW
156	LY41565-002B	BKT(1)ASSY
156A	LY41566-001A	SHEET(BKT)
156B	LY30016-0W4A	SPACER-A
157	LY31107-001A	BRACKET(2)
158	LY30019-003A	SPECIAL SCREW,X2
159	LY31095-002C	COVER(CARD)
160	LY30018-070A	SPECIAL SCREW
161	LY41489-002A	COVER(PWB)ASSY
161A	LY41490-001A	BRACKET(DSC)
161B	LY30018-070A	SPECIAL SCREW
161C	LY40162-001A	BKT
161D	LY30016-0T6A	SPACER-A
162	LY30018-049A	SPECIAL SCREW
164	QYSPSPT1735R	SCREW
165	LY30018-070A	SPECIAL SCREW
166	QYSPSGT1750R	SCREW,X2
167	LY30018-070A	SPECIAL SCREW
168	LY41333-001A	BRACKET(CCD)
169	LY30018-018A	SPECIAL SCREW
170	LY30018-020A	SPECIAL SCREW
171	LY30018-018A	SPECIAL SCREW,X2
173	LY31109-001A	SHIELD COVER
174	YQ43893-3	MINI SCREW,X2
175	QYSPSPT1735R	SCREW
177	LY30018-006B	SPECIAL SCREW
178	LY41636-001B	SPACER,X4
179	LY41643-001A	SPACER(M.PIN),X2
180	LY41334-001B	MULTI.CONN.ASSY
181	QYSPSPT1730Z	SCREW,X2
182	QAL0167-002	FPC
183	LY30016-0S5A	SPACER-A
184	LY30016-0S6A	SPACER-A
⚠ 186	LY41070-002A	LABEL(FUSE)
187	QYSPSPT1730D	SCREW
188	LY30018-053A	SPECIAL SCREW,X2
189	LY30018-065A	SPECIAL SCREW
190	LY30018-021A	SPECIAL SCREW,X2
191	LY30018-043B	SPECIAL SCREW,X2
192	LY30018-063A	SPECIAL SCREW
193	LY41637-001A	BRACKET(CC)2
194	QYSPSGT1740R	SCREW,X2
196	LY30016-0U1A	SPACER-A
197	LY30016-0U7A	SPACER-A
199	LY30016-059A	SPACER-A
200	LY20421-002C	OPE.UNIT
202	LY30483-001K	CASSETTE HOUSING ASSY
203	YQ43893-4	MINI SCREW,X3
204	LY30016-0U2B	SPACER-A
205	LY41639-001A	SHEET(OPE UNIT)
207	LY20419-001C	BOTTOM COVER
208	LY41406-001B	BRACKET(BOTTOM)

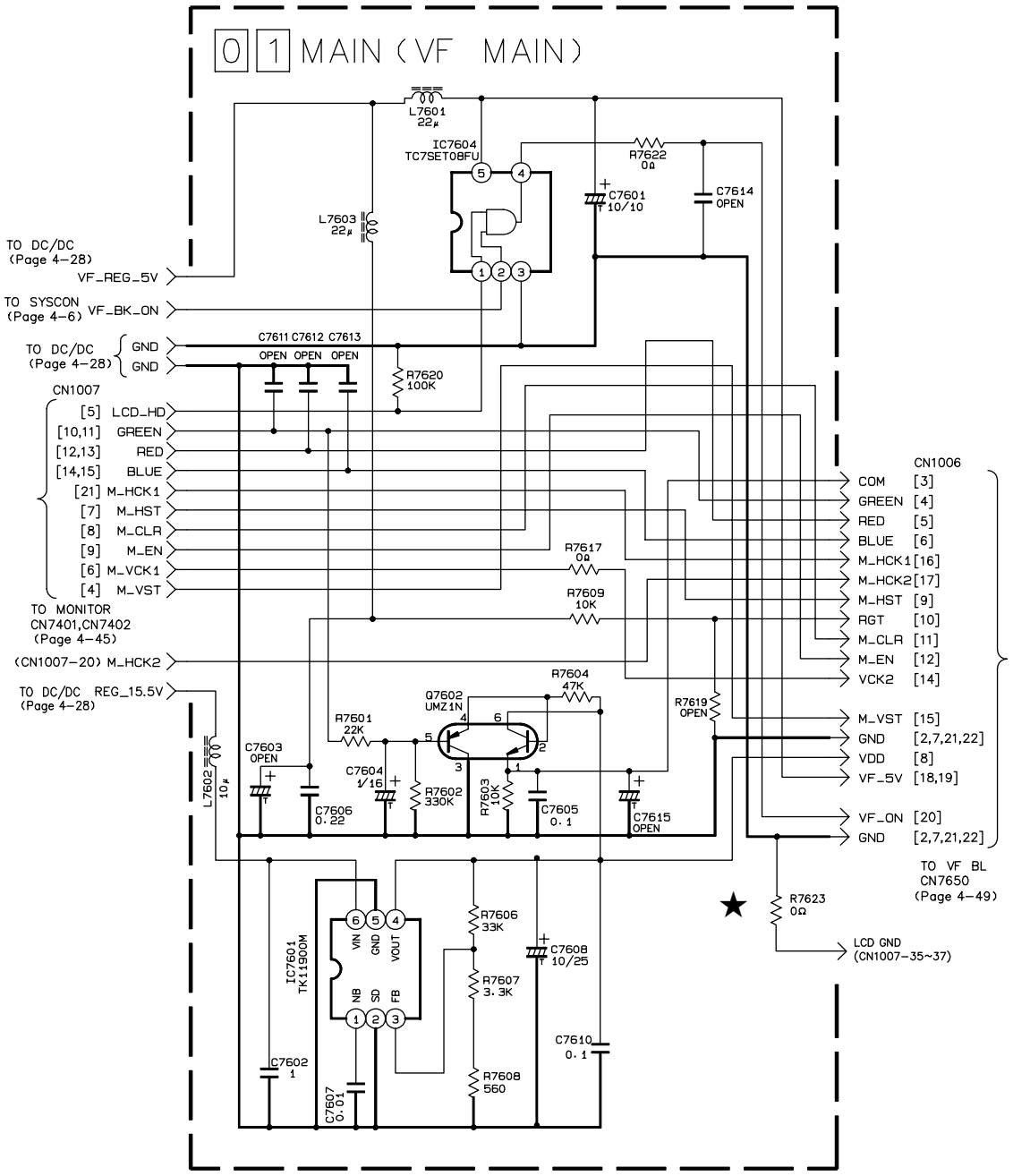
# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	209	LY30018-032A	SPECIAL SCREW,X2
	210	LY30016-0V1A	SPACER-A
	211	LY30944-002A	SHIELD COVER(1)
	212	LY31286-001B	SHIELD CASE(2)
	213	QQR0895-012	FERRITE CORE
	214	LY30016-0V3A	SPACER-A
	215	LY30016-0U4B	SPACER-A
	217	LY41662-001B	SHEET(S.CASE)
	218	LY30016-0W2A	SPACER-A
	219	LY30016-0W3A	SPACER-A
	220	LY30016-0T4A	SPACER-A
	221	LY30016-0T5A	SPACER-A
	222	LY30016-0T7B	SPACER-A
	223	LY41613-001B	SPACER
	224	LY30018-021A	SPECIAL SCREW
		– OPTICAL BLOCK SECTION –	
	251	YS20973E	OPTICAL BLOCK ASSY
	251A	LY30723-001A	ZOOM MOTOR
	251B	LY30724-001B	FOCUS MOTOR
	251C	LY30727-002A	SCREW,X4
	251D	LY30018-060A	SPECIAL SCREW
	251E	LY30727-001A	SCREW,X3
	251F	LY41377-001A	OP LPF
	251G	LY30721-001A	SPACER RUBBER
	251H	QYSPSGU1750Z	SCREW,X2
	251J	LY31135-001A	IRIS MOTOR UNIT
	251K	YS40168E	CCD BASE ASSY
		– ELECTRONIC VIEWFINDER SECTION –	
⚠	301	LY31087-002G	VF ASSY
	301A	LY31089-001A	EYE CUP
	301B	LY30016-0J8A	SPACER-A
	301C	LY31092-001B	COVER(SLIDE)
	301D	LY41308-001A	TORSION SPRING
	301E	LY41600-002A	LABEL(CAUTION)
	301F	LY41591-001A	CAUTION LABEL
	302	LY31110-001B	HOLDER(LCD)
	303	QLD0056-001	LCD MODULE
	304	LY40127-001A	SPACER(LCD.)
	305	LY41338-001A	BRACKET(SW)
	306	LY31159-002A	VF FPC ASSY
	306A	LY30016-0V5A	SPACER-A
	307	QYSPSPT1720D	SCREW,X2
⚠	310	LYH20074-004A	EVF ASSY
		– MONITOR SECTION –	
	501	LY20425-002A	MONITOR COVER
	502	LY30018-006B	SPECIAL SCREW,X2
	503	QYSPSPT1720R	SCREW,X2
⚠	504	LY31111-002E	M.CASE ASSY
	504A	LY40162-001A	BKT,X2
	504B	LY41668-001A	SHEET(GRAND)
	505	LY30018-032A	SPECIAL SCREW,X2
	506	LY41361-001B	H.COVER(U)ASSY
	506A	LY40663-002A	MAGNET
	507	LY30018-060A	SPECIAL SCREW,X2
	508	LY31114-001A	HINGE COVER(L)
	509	QLD0088-001	LCD MODULE
	510	LY31158-001C	MONI.FPC ASSY
	511	QLL0060-002	BACK LIGHT
	512	LY41387-001A	SHEET
	513	LY41514-001B	SHEET(DBEFGUIDE
	514	LY41425-001A	SHIELD SHEET
	515	LY41513-001A	S.SHEET(M.COVER
	517	LY30016-0S9A	SPACER-A,X2
	518	LY31112-001D	HINGE ASSY
⚠	519	LYH20072-002E	MONITOR ASSY

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION

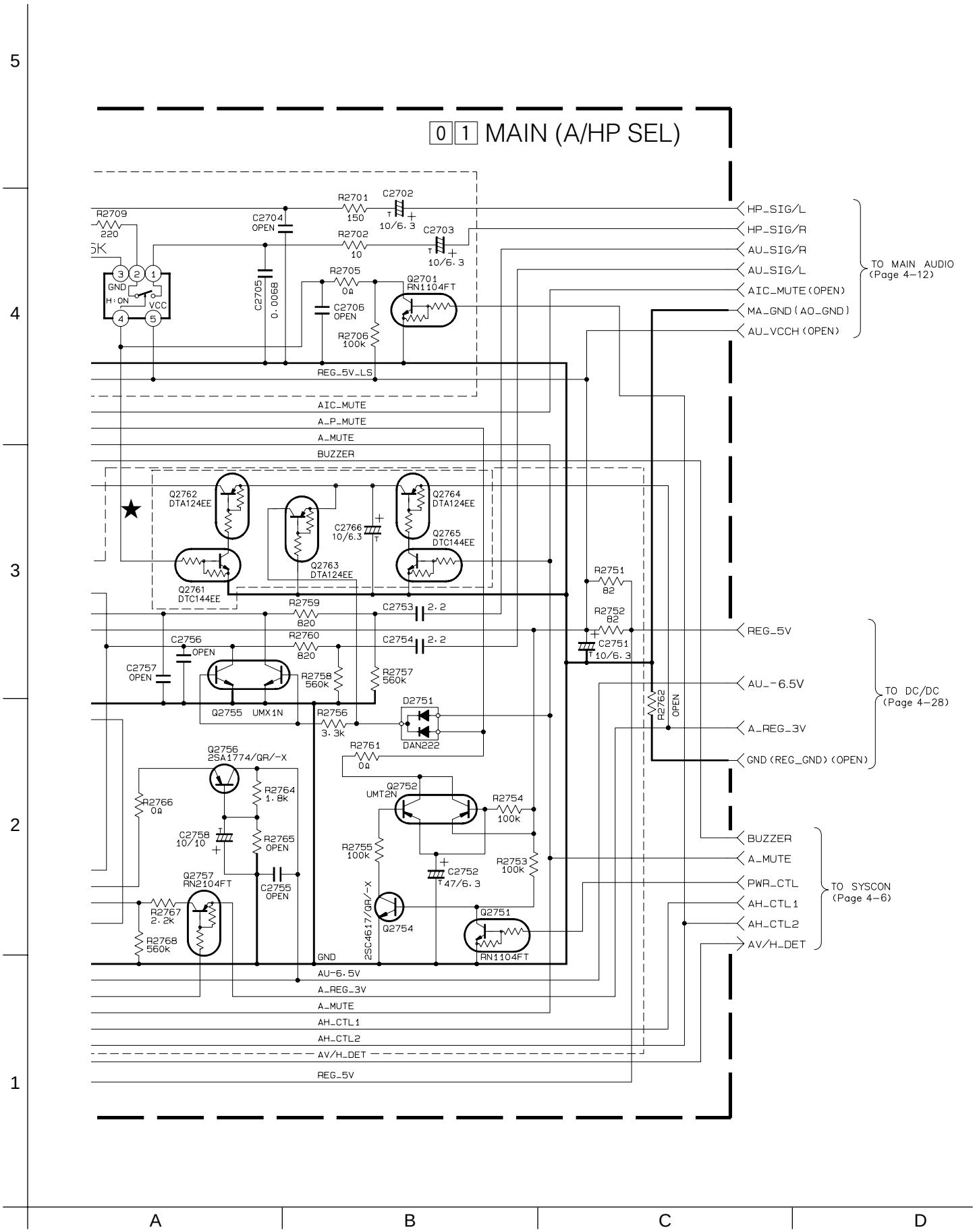
SECTION 4
CHARTS AND DIAGRAMS

4.1 VF MAIN SCHEMATIC DIAGRAM

Note: The mark ★ means modified points.

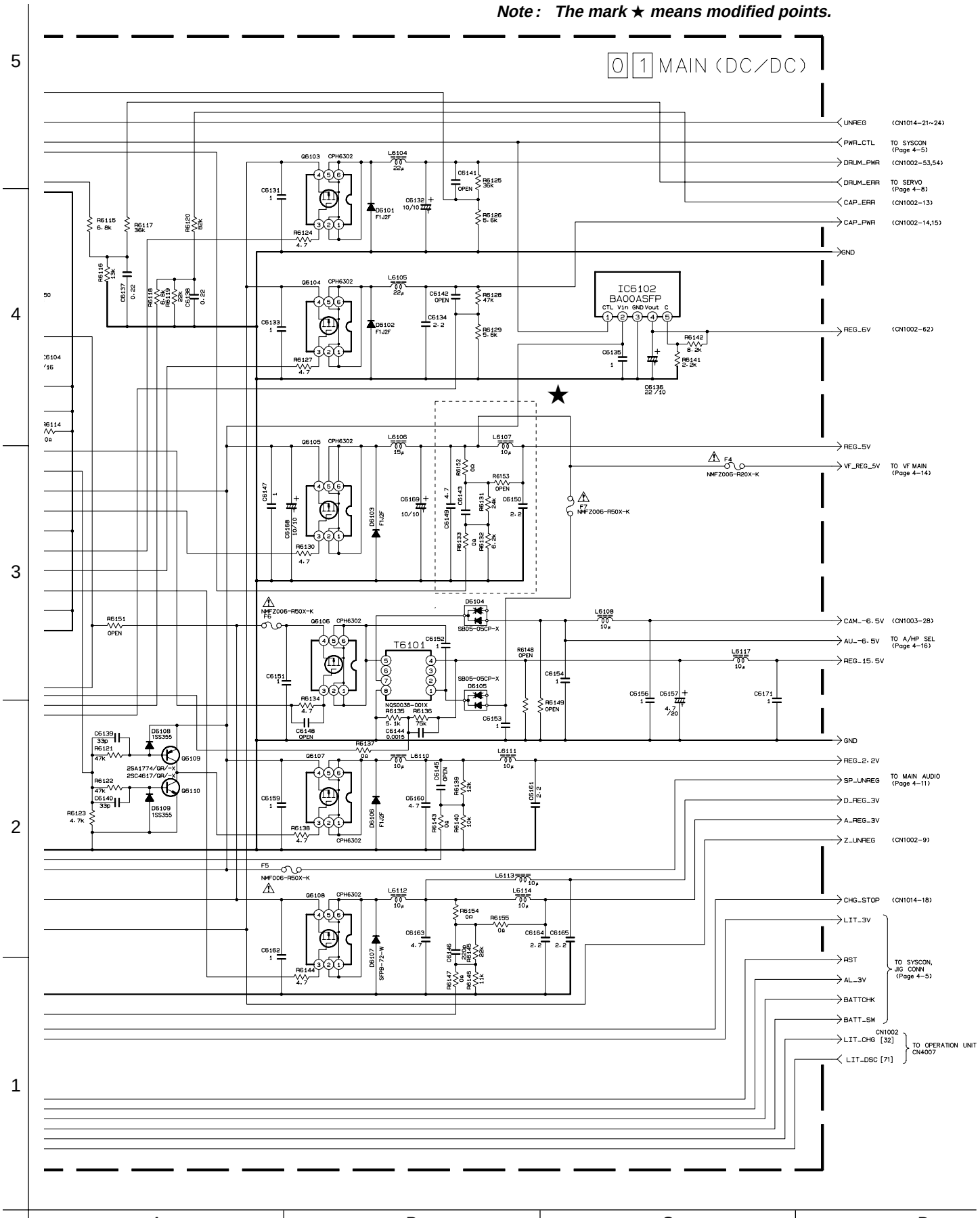


4.2 A/HP SEL SCHEMATIC DIAGRAM

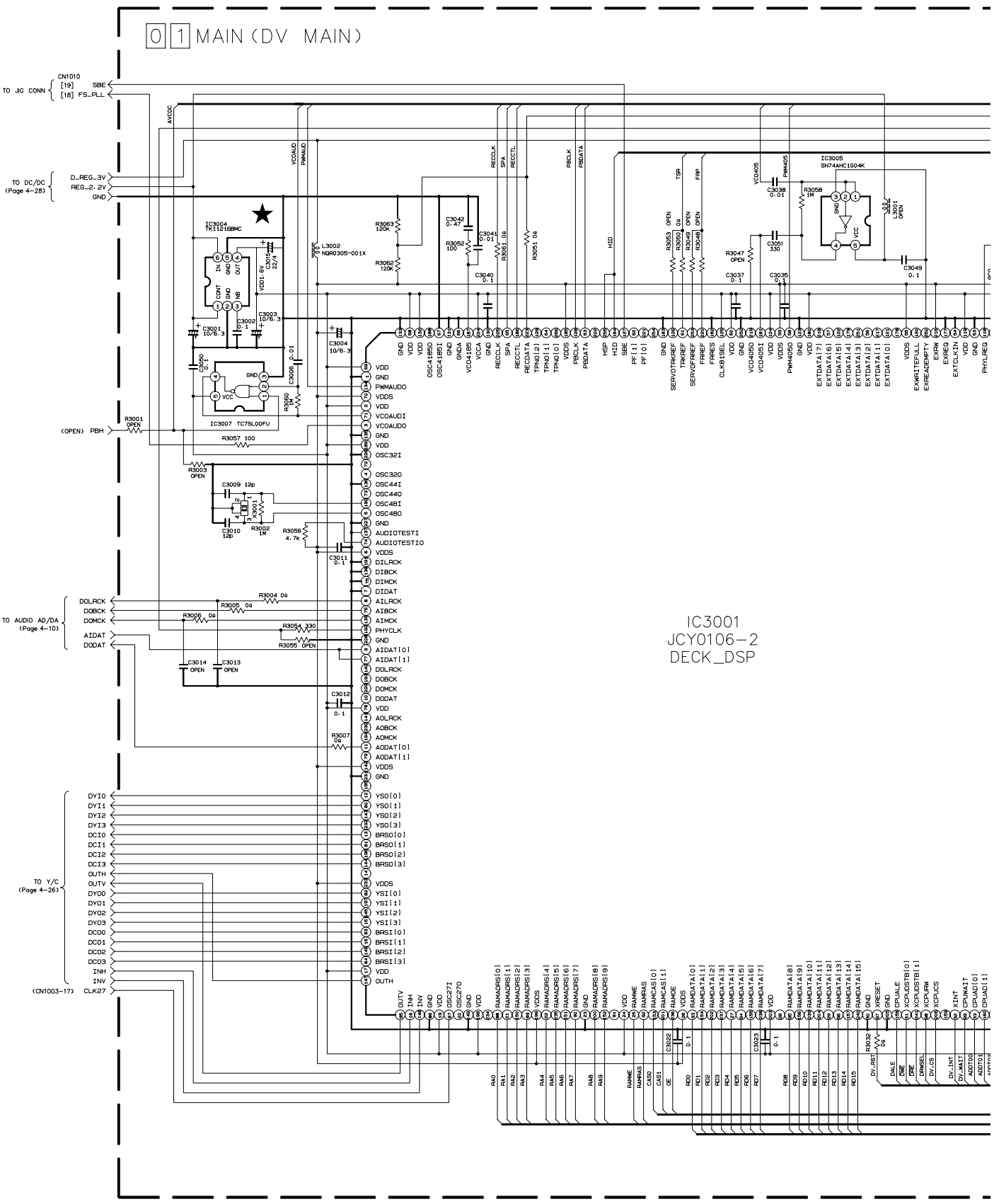


4.3 DC/DC SCHEMATIC DIAGRAM

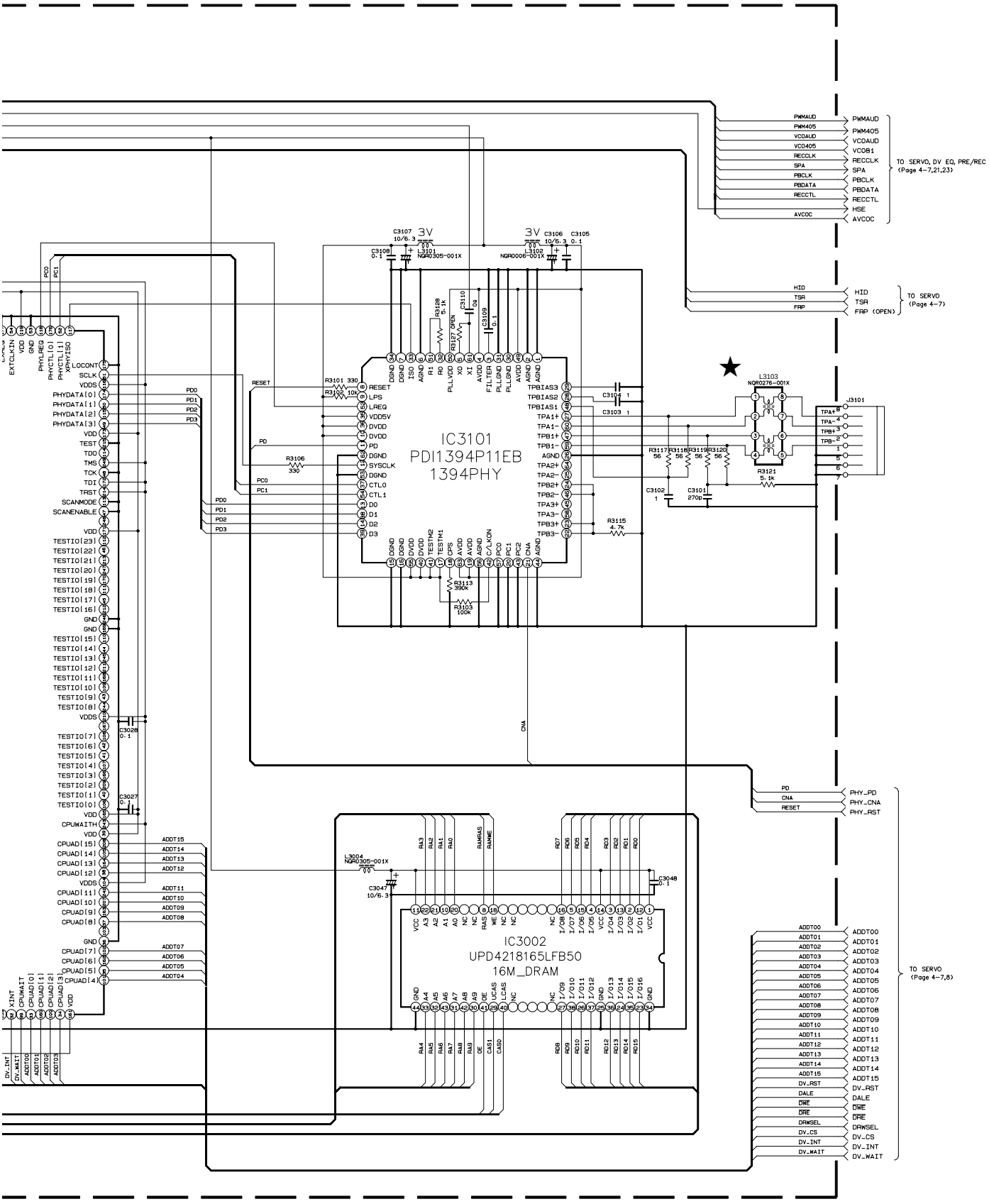
Note : The mark ★ means modified points.



4.4 DV MAIN SCHEMATIC DIAGRAM

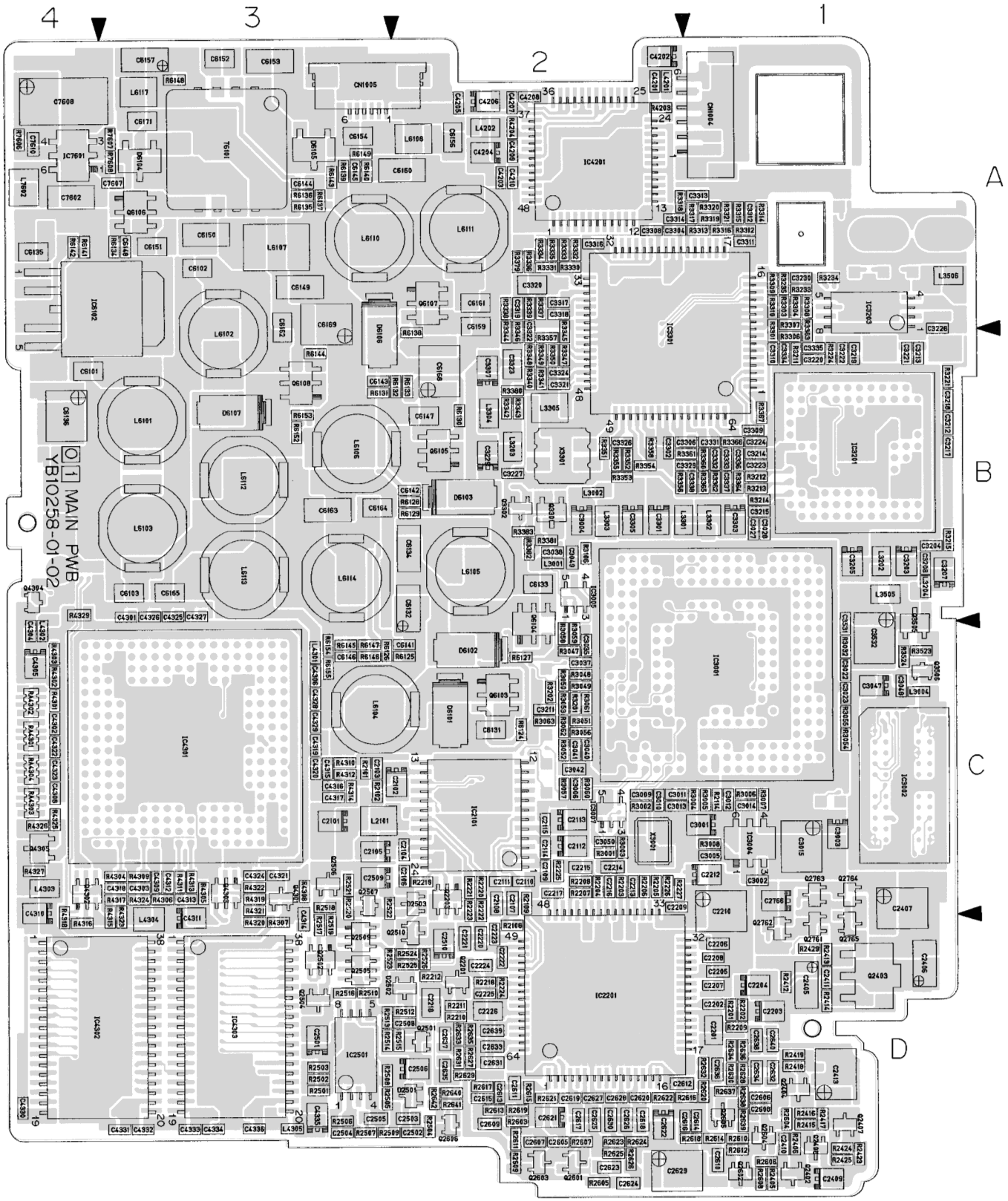


Note : The mark ★ means modified points.



4.5 MAIN CIRCUIT BOARD

FOIL SIDE (B)



COMPONENT PARTS LOCATION GUIDE (MAIN)

REF.No.	LOCATION
CAPACITOR	
C1001	A C 3C
C1002	A C 3C
C1003	A C 2B
C1004	A C 3B
C1005	A C 2C
C1006	A C 2B
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C1013	A C 3D
C1014	A C 3D
C1015	A C 3D
C1016	A C 2C
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C1019	A C 3C
C1020	A C 3B
C1021	A C 2A
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C2224	B C 2D

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C6109	A C 3A
C6110	A C 3A
C6111	A C 3A
C6112	A C 3A
C6113	A C 3A
C6114	A C 3A
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C6122	A C 3A
C6123	A C 3A
C6124	A C 3B
C6125	A C 3B
C6126	A C 3B
C6127	A C 3B
C6128	A C 3A
C6131	B C 2C
C6132	B C 2B
C6133	B C 2B
C6134	B C 2B
C6135	B C 4A
C6136	B C 4B
C6137	A C 3B
C6138	A C 3B
C6139	A C 3B
C6140	A C 3B
C6141	B C 2C
C6142	B C 2B
C6143	B C 3B
C6144	B C 3A
C6145	B C 3A
C6146	B C 3C
C6147	B C 2B
C6148	B C 3A
C6149	B C 3A
C6150	B C 3A
C6151	B C 3A
C6152	B C 3A
C6153	B C 3A
C6154	B C 3A
C6156	B C 2A
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C6159	B C 2B
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C6161	B C 2A
C6162	B C 3B
C6163	B C 3B
C6164	B C 3B
C6165	B C 3B
C6168	B C 2B
C6169	B C 3A
C6171	B C 3A
C6604	A C 2A
C6605	A C 2A
C6609	A C 2A
C6610	A C 2A
C6611	A C 2A
C6612	A C 2A
C6613	A C 2A
C7601	A C 3A
C7602	B C 4A
C7603	A C 4A
C7604	A C 3A
C7605	A C 3A
C7606	A C 4A
C7607	B C 3A
C7608	B C 4A
C7610	B C 4A
C7611	A C 3A
C7612	A C 3A
C7613	A C 3A
C7614	A C 3A
C7615	A C 3A
CONNECTOR	
CN1001	A C 1B
CN1002	A C 1C
CN1003	A C 2A
CN1004	B C 1A
CN1005	B C 3A
CN1006	A C 3A
CN1007	A C 4A
CN1010	A C 4B
CN1011	A C 2A

REF.No.	LOCATION
CN1013	A C 1D
CN1014	A C 2D
CN1015	A C 2D
CN1016	A C 4D
DIODE	
D1001	A C 2A
D1002	A C 2D
D1003	A C 2D
D2501	B C 2D
D2502	B C 2D
D2503	B C 2C
D2702	A C 1D
D2751	A C 2D
D2752	A C 2D
D2753	A C 2D
D2754	A C 2D
D2755	A C 2D
D3701	A C 3D
D6001	A C 3B
D6101	B C 2C
D6102	B C 2C
D6103	B C 2B
D6104	B C 3A
D6105	B C 3A
D6106	B C 3B
D6107	B C 3B
D6108	A C 3B
D6109	A C 3B
IC	
IC1001	A C 3C
IC1002	A C 2B
IC1003	A C 3C
IC1004	A C 3D
IC1005	A C 2D
IC1006	A C 3B
IC1007	A C 3B
IC1008	A C 3C
IC1009	A C 3A
IC1101	A C 2A
IC1401	A C 2C
IC1402	A C 1C
IC1403	A C 1C
IC1404	A C 3B
IC1405	A C 3C
IC1406	A C 2C
IC2101	B C 2C
IC2201	B C 2D
IC2501	B C 3D
IC2701	A C 1D
IC2751	A C 2D
IC3001	B C 1C
IC3002	B C 1C
IC3004	B C 1C
IC3005	B C 2B
IC3007	B C 2C
IC3101	A C 2A
IC3201	B C 1B
IC3203	B C 1A
IC3301	B C 2B
IC3401	A C 2B
IC3501	A C 1B
IC3701	A C 3D
IC3702	A C 4D
IC4201	B C 2A
IC4301	B C 3C
IC4302	B C 4D
IC4303	B C 3D
IC4304	A C 3C
IC4305	A C 3C
IC4306	A C 3C
IC6001	A C 3B
IC6002	A C 3C
IC6003	A C 3B
IC6004	A C 3B
IC6101	A C 3A
IC6102	B C 4A
IC6601	A C 2A
IC7601	B C 4A
IC7604	A C 2A
COIL	
L1001	A C 3C
L1002	A C 3B
L1003	A C 2A
L1004	A C 2A
L1005	A C 2B
L1401	A C 1C
L2101	B C 3C
L2601	A C 1D
L2602	A C 1D
L2603	A C 1D
L3001	B C 2B
L3002	B C 2B

REF.No.	LOCATION
L3004	B C 1C
L3101	A C 1A
L3102	A C 1B
L3103	A C 1A
L3202	B C 1B
L3203	B C 2B
L3204	B C 1B
L3301	B C 2B
L3302	B C 1B
L3303	B C 2B
L3304	B C 2B
L3305	B C 2B
L3401	A C 2B
L3402	A C 2B
L3501	A C 2B
L3502	A C 1B
L3503	A C 1B
L3504	A C 1B
L3505	B C 1B
L3506	B C 1A
L3701	A C 4D
L4201	B C 2A
L4202	B C 2A
L4301	B C 3C
L4302	B C 4C
L4303	B C 4C
L4304	B C 3D
L4305	B C 3D
L6001	A C 3B
L6101	B C 3B
L6102	B C 3B
L6103	B C 3B
L6104	B C 3C
L6105	B C 2B
L6106	B C 3B
L6107	B C 3A
L6108	B C 2A
L6110	B C 3A
L6111	B C 2A
L6113	B C 3B
L6114	B C 3B
L6117	B C 3A
L6604	A C 2A
L7601	A C 3A
L7602	B C 4A
L7603	A C 4A
TRANSISTOR	
Q1001	A C 2D
Q1002	A C 3C
Q1401	A C 2C
Q1402	A C 1C
Q1403	A C 1C
Q1404	A C 2C
Q2201	B C 2D
Q2203	B C 2C
Q2402	B C 1D
Q2403	B C 1D
Q2404	B C 1D
Q2407	B C 1D
Q2408	B C 1D
Q2501	B C 2D
Q2502	B C 3D
Q2504	B C 3D
Q2505	B C 3D
Q2506	B C 3C
Q2507	B C 3C
Q2509	B C 3D
Q2510	B C 2D
Q2601	B C 2D
Q2602	B C 1D
Q2603	B C 2D
Q2604	B C 1D
Q2605	B C 1D
Q2606	B C 2D
Q2701	A C 1D
Q2703	A C 1D
Q2704	A C 1D
Q2705	A C 1D
Q2751	A C 1D
Q2752	A C 2D
Q2754	A C 2D
Q2755	A C 2D
Q2756	A C 2D
Q2757	A C 2D
Q2758	A C 2D
Q2760	A C 2D
Q2761	B C 1D
Q2762	B C 1D
Q2763	B C 1C
Q2764	B C 1C
Q3301	B C 2B
Q3302	B C 2B

REF.No.	LOCATION		
Q3501	A	C	1B
Q3502	A	C	1B
Q3503	A	C	1B
Q3504	A	C	1B
Q3505	B	C	1C
Q3506	B	C	1C
Q3703	A	C	3D
Q3704	A	C	3D
Q3705	A	C	3D
Q3706	A	C	3D
Q3707	A	C	3D
Q3708	A	C	3D
Q3709	A	C	3D
Q4301	B	C	3C
Q4302	B	C	4C
Q4303	B	C	3C
Q4304	B	C	4B
Q4305	B	C	4C
Q6001	A	C	3B
Q6002	A	C	3B
Q6003	A	C	3B
Q6004	A	C	3B
Q6005	A	C	2C
Q6006	A	C	3C
Q6007	A	C	3C
Q6008	A	C	3B
Q6103	B	C	2C
Q6104	B	C	2C
Q6105	B	C	2B
Q6106	B	C	3A
Q6107	B	C	2A
Q6108	B	C	3B
Q6109	A	C	3B
Q6110	A	C	3B
Q6605	A	C	2A
Q6607	A	C	2A
Q6609	A	C	2B
Q6610	A	C	2B
Q6611	A	C	2A
Q6612	A	C	2A
Q6613	A	C	2A
Q6614	A	C	2A
Q7602	A	C	3A
RESISTOR			
R1001	A	C	3C
R1002	A	C	3C
R1003	A	C	3D
R1004	A	C	3D
R1005	A	C	3D
R1006	A	C	3C
R1007	A	C	3D
R1008	A	C	3D
R1009	A	C	3D
R1010	A	C	2D
R1011	A	C	3D
R1012	A	C	3C
R1013	A	C	3C
R1014	A	C	3C
R1015	A	C	3B
R1016	A	C	3B
R1017	A	C	2C
R1018	A	C	3C
R1019	A	C	3C
R1020	A	C	3C
R1021	A	C	3C
R1022	A	C	3C
R1023	A	C	3B
R1024	A	C	3B
R1025	A	C	3C
R1026	A	C	3C
R1027	A	C	3B
R1028	A	C	3B
R1029	A	C	3C
R1030	A	C	2B
R1031	A	C	3C
R1032	A	C	3D
R1033	A	C	3D
R1035	A	C	3C
R1036	A	C	2D
R1037	A	C	2C
R1038	A	C	3C
R1039	A	C	2B
R1040	A	C	2A
R1041	A	C	3A
R1042	A	C	2D
R1043	A	C	2D
R1044	A	C	2D
R1045	A	C	2D
R1047	A	C	3C
R1048	A	C	3B
R1049	A	C	3C
R1050	A	C	3D
R1051	A	C	3C
R1052	A	C	3D

REF.No.	LOCATION		
R1053	A	C	3C
R1054	A	C	3B
R1055	A	C	2C
R1056	A	C	2C
R1057	A	C	3B
R1058	A	C	2C
R1059	A	C	3B
R1060	A	C	3B
R1061	A	C	1D
R1062	A	C	4B
R1063	A	C	3D
R1064	A	C	2C
R1065	A	C	3C
R1066	A	C	3D
R1101	A	C	2A
R1102	A	C	2A
R1103	A	C	2A
R1104	A	C	2A
R1105	A	C	2A
R1106	A	C	2A
R1107	A	C	2A
R1108	A	C	2A
R1109	A	C	2A
R1110	A	C	2A
R1111	A	C	3C
R1112	A	C	3C
R1113	A	C	3C
R1114	A	C	2C
R1115	A	C	2C
R1116	A	C	2C
R1117	A	C	2C
R1401	A	C	3B
R1402	A	C	2C
R1403	A	C	2C
R1404	A	C	2C
R1405	A	C	2C
R1406	A	C	2C
R1407	A	C	3B
R1408	A	C	3B
R1409	A	C	2C
R1410	A	C	2C
R1411	A	C	2C
R1412	A	C	2C
R1413	A	C	2C
R1414	A	C	1C
R1415	A	C	2C
R1418	A	C	2C
R1419	A	C	2C
R1420	A	C	1C
R1421	A	C	2C
R1425	A	C	2C
R1426	A	C	2C
R1427	A	C	1C
R1428	A	C	1C
R1429	A	C	1C
R1430	A	C	1C
R1431	A	C	1C
R1432	A	C	1C
R1433	A	C	1C
R1434	A	C	1C
R1435	A	C	1C
R1436	A	C	1C
R1437	A	C	1C
R1438	A	C	2C
R1439	A	C	2C
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R1442	A	C	1C
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R1446	A	C	1C
R1447	A	C	1C
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R1449	A	C	1C
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R1451	A	C	1C
R1452	A	C	1C
R1453	A	C	1C
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R1456	A	C	1C
R1458	A	C	1C
R1459	A	C	1C
R1460	A	C	1C
R1461	A	C	1C
R1462	A	C	1C
R1464	A	C	1C
R1465	A	C	3B
R1466	A	C	2C
R1467	A	C	2C
R1468	A	C	2C
R1469	A	C	2C
R1470	A	C	2C
R1471	A	C	1C
R1472	A	C	1C

REF.No.	LOCATION		
R1473	A	C	1C
R1475	A	C	3B
R1476	A	C	3B
R1477	A	C	2C
R2101	B	C	3C
R2102	B	C	3C
R2108	B	C	2D
R2109	B	C	2C
R2114	B	C	1C
R2201	B	C	1D
R2202	B	C	1D
R2203	B	C	2C
R2204	B	C	2C
R2205	B	C	2C
R2206	B	C	2C
R2207	B	C	2C
R2208	B	C	2C
R2209	B	C	1D
R2210	B	C	2D
R2211	B	C	2D
R2212	B	C	2D
R2218	B	C	2D
R2219	B	C	2C
R2220	B	C	2C
R2221	B	C	2C
R2222	B	C	2D
R2223	B	C	2D
R2224	B	C	2D
R2225	B	C	2C
R2226	B	C	2C
R2227	B	C	2C
R2405	B	C	1D
R2406	B	C	1D
R2412	B	C	1D
R2413	B	C	1D
R2414	B	C	1D
R2415	B	C	1D
R2416	B	C	1D
R2417	B	C	1D
R2418	B	C	1D
R2419	B	C	1D
R2423	B	C	1D
R2424	B	C	1D
R2425	B	C	1D
R2429	B	C	1D
R2430	A	C	3B
R2501	B	C	3D
R2502	B	C	3D
R2503	B	C	3D
R2504	B	C	2D
R2505	B	C	3D
R2506	B	C	3D
R2507	B	C	3D
R2508	B	C	3D
R2509	B	C	3D
R2510	B	C	3D
R2512	B	C	2D
R2513	B	C	3D
R2514	B	C	3D
R2515	B	C	2D
R2516	B	C	3D
R2517	B	C	3D
R2518	B	C	3C
R2519	B	C	3D
R2520	B	C	3D
R2521	B	C	3C
R2522	B	C	3D
R2523	B	C	3D
R2524	B	C	2D
R2525	B	C	2D
R2526	B	C	2D
R2601	A	C	1D
R2602	A	C	1D
R2603	B	C	2D
R2604	B	C	1D
R2605	B	C	2D
R2606	B	C	1D
R2607	B	C	2D
R2608	B	C	1D
R2609	B	C	2D
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R2611	B	C	2D
R2612	B	C	1D
R2613	B	C	2D
R2614	B	C	1D
R2615	B	C	2D
R2616	B	C	2D
R2617	B	C	2D
R2618	B	C	1D
R2619	B	C	2D
R2620	B	C	1D
R2621	B	C	2D
R2622	B	C	2D
R2623	B	C	2D
R2624	B	C	2D

REF.No.	LOCATION		
R2625	B	C	2D
R2626	B	C	2D
R2627	B	C	2D
R2628	B	C	1D
R2629	B	C	2D
R2630	B	C	1D
R2631	B	C	2D
R2632	B	C	1D
R2633	B	C	2D
R2634	B	C	1D
R2635	B	C	2D
R2636	B	C	1D
R2637	B	C	1D
R2638	B	C	1D
R2639	B	C	1D
R2640	B	C	2D
R2641	B	C	2D
R2642	B	C	2D
R2701	A	C	1D
R2702	A	C	1D
R2705	A	C	1D
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R2714	A	C	1D
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R3003	B	C	2C
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R3008	B	C	1C
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R3047	B	C	2C
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R3060	B	C	2C
R3061	B	C	2C
R3062	B	C	2C
R3063	B	C	2C
R3101	A	C	2B
R3102	A	C	2A
R3103	A	C	1A
R3106	B	C	2B
R3113	A	C	1A
R3115	A	C	1A
R3117	A	C	1A
R3118	A	C	1A
R3119	A	C	1A
R3120	A	C	1A

REF.No.	LOCATION		
R3121	A	C	1A
R3123	A	C	1A
R3124	A	C	1A
R3125	A	C	1A
R3126	A	C	1A
R3127	A	C	2B
R3128	A	C	2A
R3201	B	C	2C
R3202	B	C	2C
R3211	B	C	1B
R3212	B	C	1B
R3213	B	C	1B
R3214	B	C	1B
R3215	B	C	1B
R3221	B	C	1B
R3224	B	C	1B
R3233	B	C	1A
R3234	B	C	1A
R3235	B	C	1A
R3301	B	C	1B
R3303	B	C	1A
R3304	B	C	1A
R3306	B	C	1B
R3307	B	C	1B
R3308	B	C	1A
R3309	B	C	1A
R3310	B	C	1A
R3312	B	C	1A
R3313	B	C	1A
R3314	B	C	1A
R3315	B	C	1A
R3316	B	C	1A
R3317	B	C	1A
R3318	B	C	2A
R3319	B	C	1A
R3320	B	C	1A
R3321	B	C	1A
R3330	B	C	2A
R3331	B	C	2A
R3332	B	C	2A
R3333	B	C	2A
R3334	B	C	2A
R3335	B	C	2A
R3336	B	C	2A
R3337	B	C	2A
R3338	B	C	2A
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R3357	B	C	2B
R3358	B	C	2B
R3360	B	C	1B
R3361	B	C	2B
R3362	B	C	1B
R3363	B	C	1B
R3364	B	C	1B
R3365	B	C	1B
R3366	B	C	1B
R3367	B	C	1B
R3379	B	C	2A
R3380	B	C	2B
R3381	B	C	2B
R3382	B	C	2B
R3383	B	C	2B
R3502	A	C	2B
R3504	A	C	2B
R3505	A	C	2B
R3506	A	C	2B
R3507	A	C	1B
R3508	A	C	2B
R3509	A	C	2B
R3510	A	C	1B
R3511	A	C	1B
R3512	A	C	1B
R3513	A	C	1B
R3514	A	C	1B
R3515	A	C	1B
R3516	A	C	1B
R3517	A	C	1B
R3518	A	C	1B

REF.No.	LOCATION		
R3519	A	C	1B
R3520	A	C	1B
R3521	A	C	2B
R3523	B	C	1C
R3524	B	C	1C
R3550	A	C	2C
R3703	A	C	3D
R3704	A	C	3D
R3705	A	C	3D
R3706	A	C	3D
R3707	A	C	3D
R3708	A	C	3D
R3709	A	C	4D
R3710	A	C	4D
R3711	A	C	4D
R3712	A	C	4D
R3713	A	C	3D
R3714	A	C	3D
R3715	A	C	4B
R3716	A	C	3D
R3721	A	C	3D
R3722	A	C	3D
R3723	A	C	3D
R3724	A	C	3D
R3725	A	C	3D
R3726	A	C	3D
R3727	A	C	3D
R3730	A	C	3D
R3731	A	C	3D
R3732	A	C	3D
R4203	B	C	2A
R4204	B	C	2A
R4301	B	C	4C
R4302	B	C	4C
R4303	B	C	4C
R4304	B	C	3C
R4305	B	C	3C
R4306	B	C	3C
R4307	B	C	3D
R4308	B	C	3C
R4309	B	C	3C
R4310	B	C	3C
R4311	B	C	3C
R4312	B	C	3C
R4313	B	C	3C
R4314	B	C	3C
R4315	B	C	3D
R4316	B	C	4D
R4317	B	C	3C
R4318	B	C	4D
R4319	B	C	3C
R4320	B	C	3D
R4321	B	C	3D
R4322	B	C	3C
R4323	B	C	3D
R4324	B	C	3C
R4325	B	C	4C
R4326	B	C	4C
R4327	B	C	4C
R4328	A	C	3C
R4329	B	C	4B
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R6003	A	C	3B
R6004	A	C	3B
R6005	A	C	3B
R6006	A	C	3B
R6007	A	C	3B
R6008	A	C	2B
R6009	A	C	2C
R6010	A	C	3B
R6011	A	C	3C
R6012	A	C	3C
R6014	A	C	3B
R6016	A	C	3C
R6017	A	C	3C
R6018	A	C	3B
R6101	A	C	3A
R6102	A	C	3A
R6103	A	C	3A
R6104	A	C	3A
R6105	A	C	3A
R6106	A	C	3A
R6107	A	C	3A
R6108	A	C	3A
R6109	A	C	3B
R6110	A	C	3A
R6111	A	C	3A
R6112	A	C	3A
R6113	A	C	3B
R6114	A	C	3A
R6115	A	C	3A
R6116	A	C	3B
R6117	A	C	3B
R6118	A	C	3A

REF.No.	LOCATION		
R6119	A	C	3B
R6120	A	C	3A
R6121	A	C	3B
R6122	A	C	3B
R6123	A	C	3B
R6124	B	C	2C
R6125	B	C	2C
R6126	B	C	3C
R6127	B	C	2C
R6128	B	C	2B
R6129	B	C	2B
R6130	B	C	2B
R6131	B	C	3B
R6132	B	C	2B
R6133	B	C	2B
R6134	B	C	3A
R6135	B	C	3A
R6136	B	C	3A
R6137	B	C	3A
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R6141	B	C	4A
R6142	B	C	4A
R6143	B	C	3A
R6144	B	C	3B
R6145	B	C	3C
R6146	B	C	3C
R6147	B	C	3C
R6148	B	C	3A
R6149	B	C	3A
R6150	A	C	3A
R6151	A	C	3A
R6152	B	C	3B
R6153	B	C	3B
R6154	B	C	3C
R6155	B	C	3C
R6603	A	C	2A
R6609	A	C	2B
R6610	A	C	2B
R6612	A	C	2A
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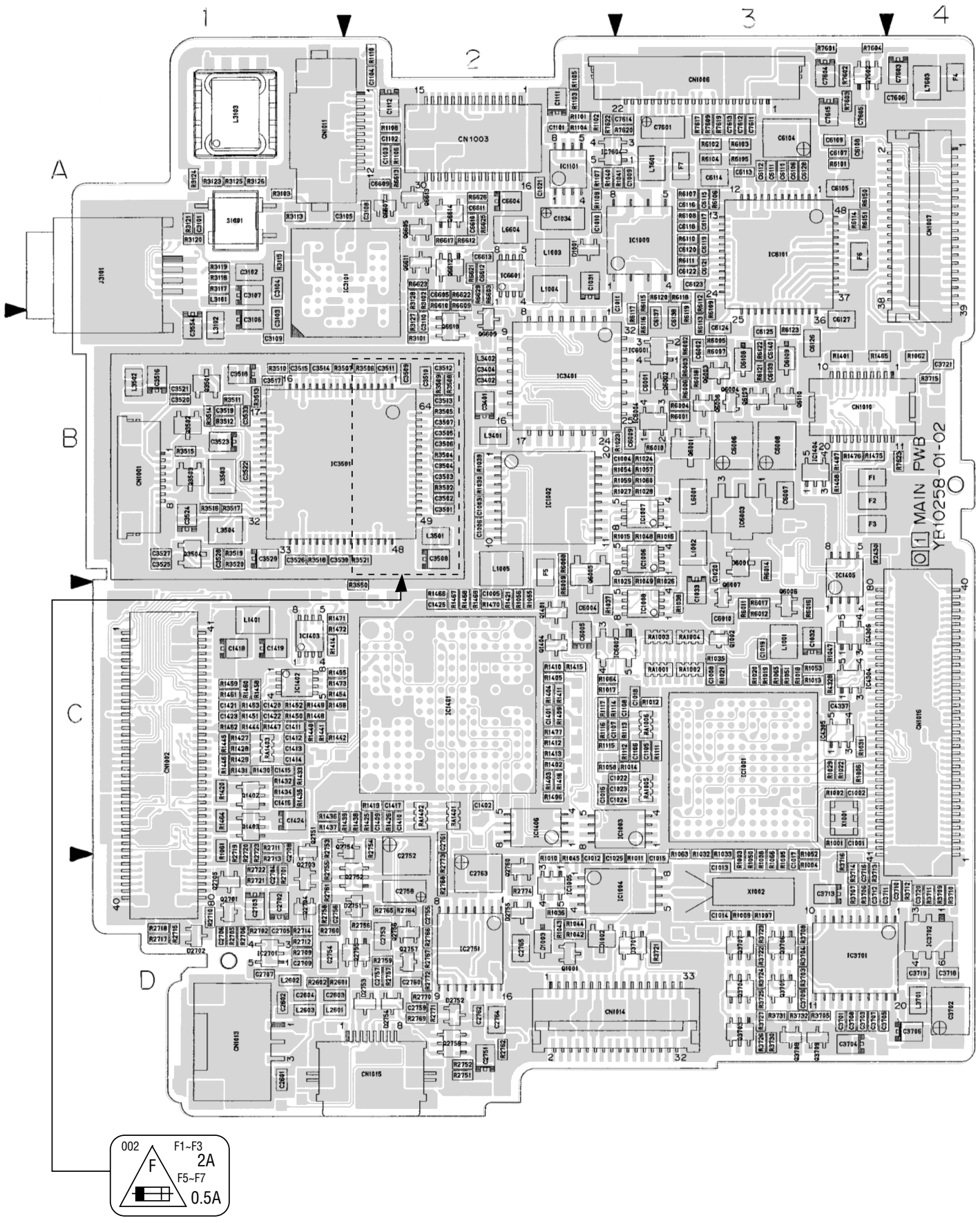
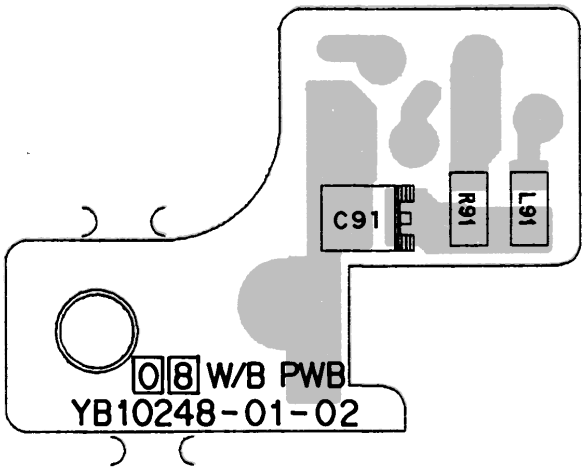
R6617	A	C	2A
R6621	A	C	2A
R6622	A	C	2A
R6623	A	C	2A
R6625	A	C	2A
R6626	A	C	2A
R6629	A	C	2A
R7601	A	C	3A
R7602	A	C	3A
R7603	A	C	3A
R7604	A	C	3A
R7606	B	C	4A
R7607	B	C	3A
R7608	B	C	3A
R7609	A	C	3A
R7617	A	C	3A
R7619	A	C	3A
R7620	A	C	3A
R7622	A	C	2A
R7623	A	C	4B
RA1001	A	C	3C
RA1002	A	C	3C
RA1003	A	C	3C
RA1004	A	C	3C
RA1005	A	C	3C
RA1006	A	C	3C
RA1401	A	C	2C
RA1402	A	C	2C
RA1403	A	C	1C
RA4301	B	C	4C
RA4302	B	C	4C
RA4303	B	C	4C
RA4304	B	C	4C
OTHER			
F1	A	C	3B
F2	A	C	3B
F3	A	C	3B
F4	A	C	4A
F5	A	C	2B
F6	A	C	3A
F7	A	C	3A
J3101	A	C	1A
S1001	A	C	1A
T6101	B	C	3A
X1001	A	C	3C
X1002	A	C	3D
X3001	B	C	2C
X3301	B	C	2B

COMPONENT SIDE (A)

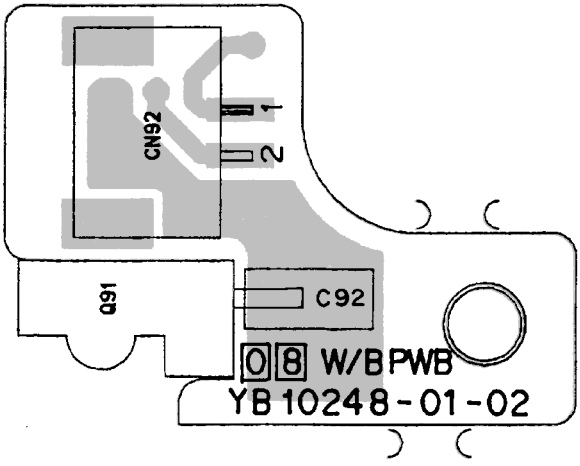


4.6 W/B AND JACK CIRCUIT BOARDS

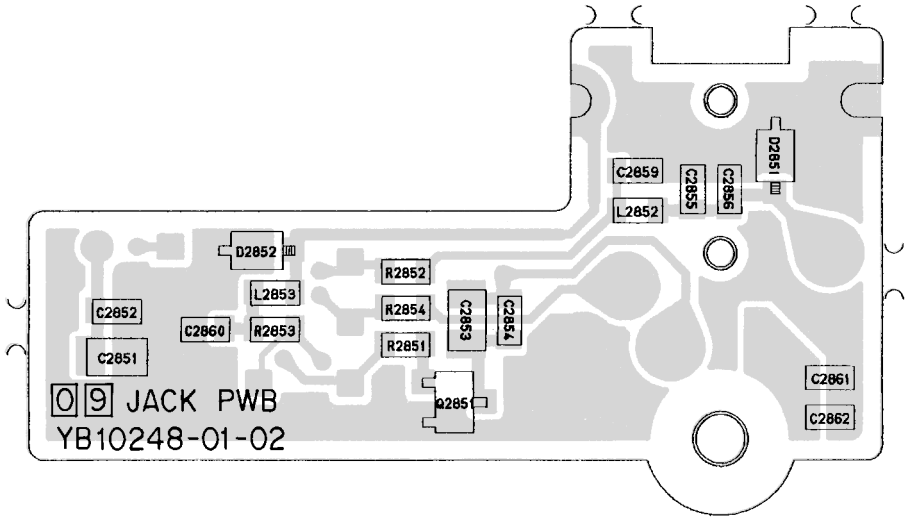
FOIL SIDE (B)



COMPONENT SIDE (A)



FOIL SIDE (B)



COMPONENT SIDE (A)